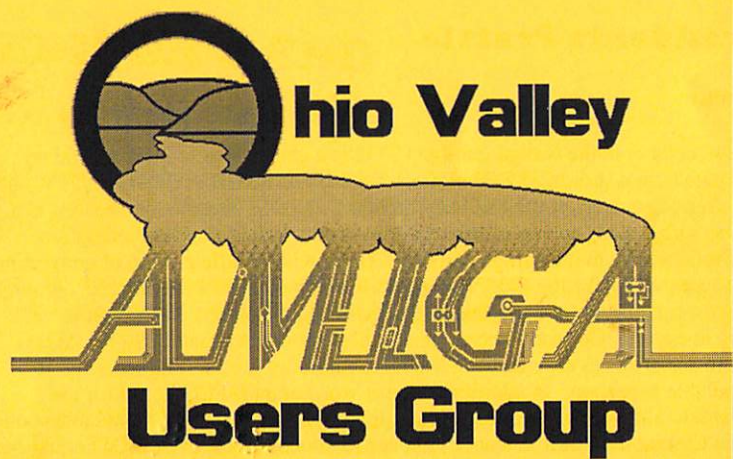




DON MYERS

OHIO
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JULY, 1993

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NEXT MEETING: JULY 27, 1993  
ROOM 502 RIEVESCHL HALL, UC  
BEGINNERS SIG AT 6:30

# The Presidents Prattle

Ed Hoffmann

There is a new member in the Amiga family. CD32 is a game console built around an Amiga 1200 with a dual speed CD ROM drive, that uses audio CD's, CD+G, CDTV, and CD32 titles. Aimed squarely at the SEGA/Nintendo CD ROM console market, this is a 32 bit machine with a ready source of titles to draw from, with high speed animation capabilities available due to it's Amiga heritage. There will be little chance of converting it into a "real" computer (like the CDTV), since few external ports are available, although we will have to open one up to really find out. According to sources on CompuServe, it is now selling in Europe (Germany, more specifically) for approximately \$400. At this price, expect to see prices to drop below \$300 by the holiday (i.e., selling) season. It should be available here soon. In addition, there is word of an MPEG board for the console that would allow 70 minutes of video at full NTSC resolution. If available soon, this would put Commodore well in front of the console technology wars, even edging out 3DO since this is a true product, available now. Sales will be handled initially through "the five largest mail order houses", although I do not know what these are. Let's hope this catches the imagination of the buying public and puts an Amiga in every home, if even in disguise.

In one respect, this represents a return of Commodore to its roots (i.e., mass consumer market), but it also aids in advancing Amiga technology. This console requires integration of CD ROM drives, reducing manufacturing costs, pushing the custom coprocessors, and implementing MPEG technology in the Amiga environment. Migration of these features to the entire Amiga platform should be easily accomplished. I can see a 4000T with an internal CD ROM drive capable of using all the titles a CD32 can use, plus the standard CD ROMs that adhere to the ISO standard for cross-platform compatibility. With an inexpensive MPEG board, a consumer-level video editing system could be built.

Anyone looking for a second Amiga should look at the Amiga 600 now. It is being sold in mass market channels for ridiculously low prices (would you believe \$179) and is a great bargain for a portable second machine, a first Amiga for those upgrading from a Commodore 64, or a replacement for an ailing Amiga 500. This machine has a PCMCIA port, 2.05 ROMs, and IDE controller, and it uses the ECS chip set. With 2.5" hard drive prices dropping quickly, a complete system could be put together for less than \$400 with a 40 MB hard drive. Either an RGB monitor or composite monitor (i.e., TV) can be used for a display.

Plans for ComputerFest are coming together nicely. The members of the 3D SIG will each be putting together a flying OVAUG/Amiga logo of their own design, which will all then be put on tape. We expect to have several Toaster machines available with cameras, the PAR board, VCRs, and a 25" monitor. I expect we will fill up the three tables and then some. Don't forget to plan to be at Hara Arena in Dayton August 28/29, and show the world what the Amiga is all about. Wear your best Amiga shirt, and get out those "Just say NO! to Windows" buttons. I will see you at the next OVAUG meeting, July 27 at 8:00 p.m. at Room 502, Rievschl Hall at the UC campus.



*Hey kids!! Let's put on a show!*

OVAUG IS PLANNING A MAJOR PRESENCE AT COMPUTERFEST THIS AUGUST. HOW ABOUT EACH OF US BRINGING OUR BEST WORK TO THE NEXT MEETING?? YES, THIS IS A SOLICITATION. THERE IS SUCH A WEALTH OF TALENT IN OUR CLUB, WE'LL KNOCK EM OUT!!

## Minutes of the June 29, 1993 O.V.A.U.G. Meeting

The meeting was called to order at about 8:10 pm by Ed Hoffmann. The attendance was about 40 people.

### New Members

There were no new members in June.

### OFFICER REPORTS

-VICE PRESIDENT (Drew Vogel) Drew reported that he has just completed a postcard that he will be sending to people with expired memberships. Also, he has spoken with Steve Worley, the author of Understanding Imagine, and he has agreed to give Drew an interview at a later date.

-SECRETARY (Troy Cooksey) As of this meeting we have 126 paid members. Membership dues are \$15 for a single membership and \$20 for a family membership. (If you need to pay dues or wish to join, see me at the meetings or call 661-0908 for more information). If you have something for sale or trade, then please give me a written description of the item along with your name and phone number, or you can send it to the club's post office box. Your ad will appear in three issues of the newsletter or, more or less issues, if you let me know that you need more time or that the item has sold. Also note that we have 12 for 10 Fred Fish disk copy cards available for \$15 for members and \$30 for non members.

-LIBRARIAN (Scott Bennett) The Fred Fish library is currently up to FF870, the CD ROM is up to FF800, the BBS has up to FF750 compressed, and there are four club disks this month. (Note: a variety of books and video tapes are now available for borrowing by club members in good standing. Scott has sign up sheets for those interested).

-TREASURER (George Gibeau) The treasury balance is currently \$390, and this is after paying our Computerfest fees.

-TECHNICAL ADVISOR (Brick Eksten) RTG, Retargetable Graphics, has been the latest, hot buzz word on the Nets (see Brick's article in the previous newsletter). Commodore has announced it will be releasing its CD32 game system. This is a true 32 bit CD ROM game machine which supports up to HAM 8 quality animation and has an adaptor for Mpeg decompression.

-NEWSLETTER (Jeff Johnson) Jeff thanked all of the contributors to last month's issue of the newsletter. Jeff requests that if you have anything: articles, tips, bios on interesting members, etc, then please send them in. Note it does not have to be a full blown article. Anyone published in the newsletter will receive one free Fred Fish copy. Submissions can be made to the club P.O. box, to the club BBS, or to Jeff at the meetings. Also if you would like to see an article on a particular topic then let Jeff know and he will try to find someone to write on it.

-BBS ADVISOR (George Gibeau) George reported that the BBS now has a new Aminet setup to the local Citadel. Also, we will shortly be changing the BBS software to Remote Access. This software should be more stable and will also allow us to subscribe to Fi-donet. The club's BBS phone number is 241-8817.

### SIG REPORTS

-BEGINNER'S SIG (Ed Hoffmann) Ed reported that he has just wrapped up the third and last of a series of demos on the 2.0 operating system and general hardware information. Ed would like suggestions for up coming meeting topics. Meetings are held in Room 502 Rieveschl Hall at 6:30 pm prior to the monthly OVAUG meeting.

-C SIG (Mark Peters) Mark reported that the SIG is officially dead. Mark said he would still be glad to field questions sent to him on the BBS or he could be reached at 961-6925.

-GRAPHICS SIG (Bob Leibold) The Graphics SIG is currently putting together Truman

Toland's documentary on the Graphics SIG and OVAUG. The next meeting will be in July and the dates will be posted on the OVAUG BBS. Contact Bob Leibold at 651-4171 for more details.

-AREXX SIG (Richard Hertzberg) No report. AREXX discussions are taking place on the BBS. Also note there is an AREXX file section on the BBS where your files will not get erased.

-3D Graphics SIG (Brick Eksten) The group looked at the new Lightwave software, Opal Vision, and did some problem solving. The SIG will take place at Expert Services on the first Tuesday of every month. Call Brick at 371-9690 for more details.

#### OLD BUSINESS

-Anyone interested in participating in ComputerFest in August should contact Ed Hoffman (see phone number elsewhere). We are planning on having 3 tables and at least 5 stations on both days.

-Eugene Saylor reported he is investigating getting Amiga periodicals put into local libraries.

-The club has some Vista Pro scenery disks available for \$5 each, along with a few leftover keyboard covers.

#### NEW BUSINESS & DISCUSSION

-The Picasso Board will be available in about mid July and Expert Services (the only North American distributor) is offering all current OVAUG members a special deal. Until the end of July you can get your very own for the low, low price of \$375. Call Expert Services at 371-9690 and reserve yours today.

-Tom Nagel is offering some really nice speakers for \$179 a pair.

#### DEMONSTRATIONS

-Don Myers showed several new Vista Pro landscapes including a carpet like scape and some nice sand dune island scenes. Don also showed some new animated bits from the Public Access adaption of Dr. Suess's ABCs book. Finally, Don showed a tape of more footage on his upcoming Nick Dixon trailer.

-Brett Birdsall gave a demo on home automation. He showed how your Amiga can be used to control almost every electrical device in your home including lights, television/VCR, stereo, and air conditioning/heating. Many of these devices can also be controlled with a voice recognition device which can be connected to your Amiga.

-Scott Bennett gave a great demo on the newly released Toaster 4000 system. The new video effects include 256 color wipes along with allowing you to custom design your own. You can play back up to 6 seconds of animation at real time speed and you can control it with the mouse. Text can now be placed anywhere on the screen and can be edited. It now comes with over 300 fonts. Note due a lack of time, Scott will cover the new improvements to lightwave next month. This system retails for \$2195 at Expert Services.

QUESTIONS???...Then contact one of your OVAUG officers!

-President.....Ed Hoffmann.....521-3424

-Vice-president.....Drew Vogel.....581-7002

-Secretary.....Troy Cooksey.....661-0908

-Treasurer.....George Gibeau.....721-1214

-Newsletter Editor.....Jeff Johnson.....651-1199

-Technical Advisor.....Brick Eksten.....371-9690

-Club Librarian.....Scott Bennett.....371-2603

-BBS Officer.....George Gibeau.....721-1214

-OVAUG BBS.....(8N1).....241-8817

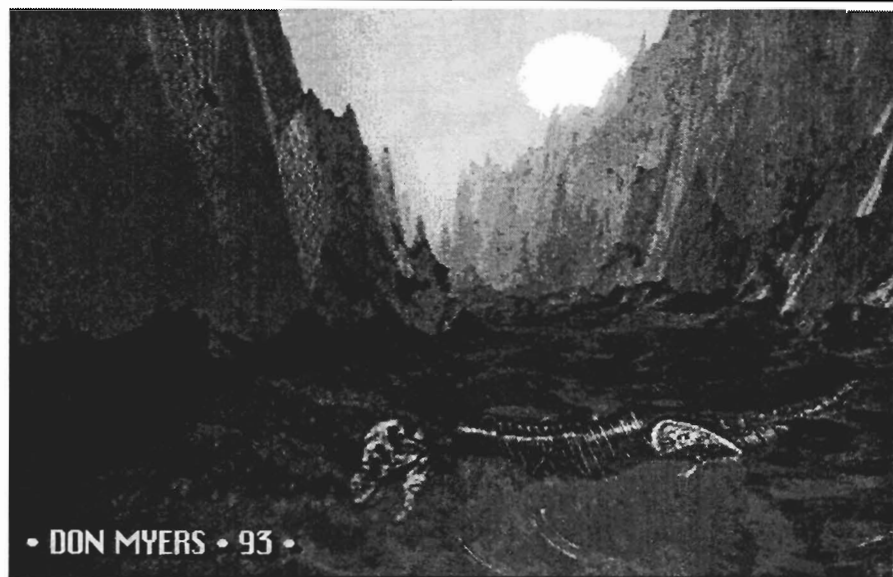
PLEASE NOTE: The Club BBS now has new software. George Gibeau, our SYSOP and Drew Vogel, our Vice President, slaved diligently over a hot 'clone to bring you the new and improved BBS. It is expected that you will need to log on anew.

## Club Disks for June.

Available for \$1.50 plus disk at Expert, on the BBS, or monthly meeting. They are compiled by club librarian Scott Bennett.

|                        |                                              |
|------------------------|----------------------------------------------|
| June1_93               | test file                                    |
| cbm_stock_movement.lha | patch for CrossDos                           |
| cdp506.lha             | WB2+ commodity Arrange windows               |
| clickdepth10.lha       | creates clouds                               |
| clouds_prg.lha         | function plotter                             |
| cp20.lha               | tools for fred from adpro                    |
| fredtools1.lha         | gif datatype for wb3.0                       |
| gifdatatype-39.3.lha   | news from Genie                              |
| 5-min_news_may93.lzh   | AdPro Workbench menu v1.0                    |
| adpro_wb_menu.lha      | intuition decompressor interface             |
| aai_v135.lha           | patch to make pal->ntsc, ntsc->pal           |
| amiga2ntsc.lha         | calculates loan payments                     |
| amortcalc.lzh          | Amiga Report online magazine                 |
| ar111.lha              | Online Magazine                              |
| ar112.lha              | Online magazine                              |
| ar113.lha              | automates assigns                            |
| assignprefs1.04.lha    | binary file editor                           |
| azap_206.lha           | disk file utility                            |
| browser233.lha         |                                              |
| June2_93               | scheduling program                           |
| event13c.lzh           | disk file utility                            |
| filemaster22.lha       | Game                                         |
| gammon1.3.lha          | move virtual screens (WB2+)                  |
| huntwin3_1.lha         | Icon editor                                  |
| iconmagic.lha          | new muchmore                                 |
| mmore3210.lha          | Picture viewer with AGA support              |
| mostra2.lha            | Efficient text output                        |
| multiprint201.lha      | PostIt style notes (WB2+)                    |
| Notefit-1.1.lha        | protracker module player                     |
| proplay.lha            | selects and activates a window with a hotkey |
| selectwindow1.1.lha    | text file                                    |
| shareholder_rights.lha | WB2.x floppy disk tool                       |
| diskmate4.lha          | disk salvaging program                       |
| disksalv2.lha          | intuition cli interface                      |
| DropBox.lha            | simple fax program                           |
| elcheapofax.zoo        | Debugging tool                               |
| enforcer.lzh           | disk compression program                     |
| epu_1.4plus.zip        |                                              |
| June3_93               | Workbench menu builder                       |
| parm44.lha             | keeps track of phonebill WB2.x               |
| phonebill_100.lha      | new pointers                                 |
| pointers2.0.lha        | PowerPacker WB2.x commodity                  |
| powerdata38115.lha     | patch for prowrite                           |
| prowrite_patch3.32.lzh | multi startup-sequence selector              |
| ssv10.lha              | STAT-RAM or 'SD0:' is a very fast            |
| statram15.lha          | recoverable ramdrive                         |
| gtb20c.lha             | Interface builder                            |
| noisome.lha            | Adds sounds to key presses                   |
| June4_93               | System monitor                               |
| superdashboard11.lha   | Workbench file delete tool WB2.x             |
| trashmaster14.lha      | virus checker                                |
| vchck628.lha           | Creates background copper list               |
| wbverlauf19.lha        | for Workbench (AGA)                          |
| setpatch37.lzh         | New Setpatch for WB2.04                      |
| QTD201.LZH             | Patch for QuarterBack Deluxe                 |
| reminder_v1.lha        | reminder program                             |
| sc6_3.lha              | patch for SAS/C                              |





Above is another of Don Myers' creations. It is a valley rendered with Vista and further enhanced with Don's drawing of a T-Rex skeleton. It is an excellent example of a creative artist teamed with a creative computer. C= needs OVAUG!



Don calls this picture "Palm Plantation". It is gorgeous in color. It was created in Vista with many of Don's secret ingredients added. Perhaps the newsletter will have a color page someday. The club will supply the Crayolas, you color it in.

# DON'S DIGITAL DESIGN DICTIONARY

1. **FONTASTIC:** (Adj.) A graphic *layout* that includes every font in a designer's collection on a **SINGLE PAGE**. Example: "This newsletter makes me nauseous, it's *fontastic*!"
2. **BOLDERDASH:** (Noun) Use of **bold**, underline, *italics*, **outlining**, **dropshadows**, **SMALL CAPS** or **ALL CAPS**, expecially **ALL AT ONCE**! Example: "This chart has so many special effects in it I can't find a thing, it's all *bolderdash*!"
3. **MONOTONOSPACED:** (Adj.) Monotonous monospaced documents created by people who have used typewriters much too long.
4. **W.Y.S.I.W.Y.G.E.W.P.B.G.O.S.F..B.I.A.H.P.:** (Acronym) What-you-see-is-what-you-get-except-when-printing-bitmapped-graphics-or-scalable-fonts-because-it's-a-hardware-problem Syndrome. Other than that, the page looks just like the screen. This problem is so widespread it spontaneously invented it's own acronym.
5. **PHOTONPHOBIA:** (Noun) Irrational fear suffered by insecure, tightfisted people who are afraid to upgrade to a laser printer because they are terrified of appearing professional. Example: "The main character in 'Driving Miss Daisywheel' suffers from *photonphobia* and inner ear deafness!"



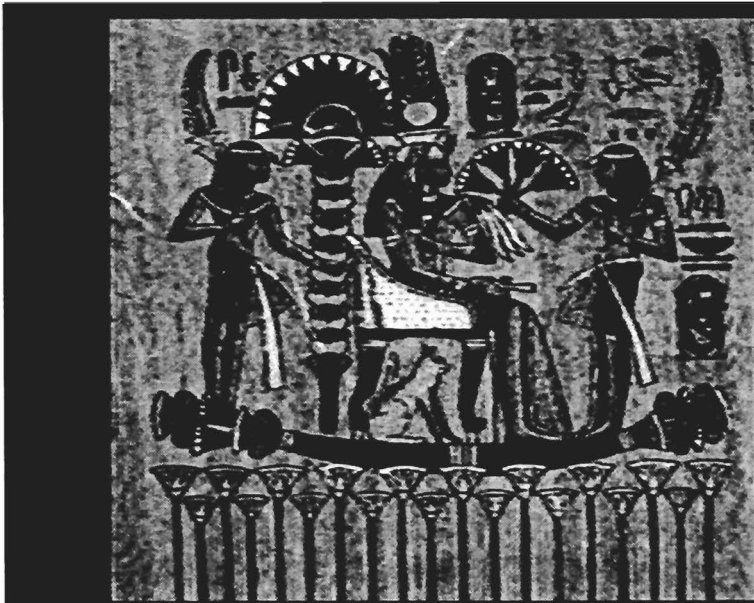
6. **VIDEOOVERLOAD:** (Noun) TV-induced desensitization to fabulous graphics caused by massive overexposure to video effects used on Entertainment Tonight, Cable Shopping Network, Listerine® Attacking Gingivitis, etc. Visuals must become even more overdone in order to compensate for rising tolerance levels. Example: "This 3-D fly-in animation of a color cycling dinosaur eating a chrome blimp that is morphing into a flying Listerine® logo made of liquid metal needs more *videoverload* or viewers will be bored! Let's texture wrap the whole animation onto a teapot made of gaseous red vapor!"
7. **TYPEWRITER ART:** (Noun) Early typewriter-based precursor to computer graphics. This art movement allowed bored office workers to draw christmas trees out of X's or naked ladies composed entirely of exclamation points. This is still the native graphics mode of most MS-DOS machines. This artistic style was doomed by the invention of things worth looking at.
8. **PCMCIA:** This computer industry acronym stands for "People Can't Memorize Computer Industry Acronyms."
9. **DITHERING DITHERING:** (Verb) When you say "I can't decide whether to use ordered dithering, random dithering, Floyd-Steinberg dithering, Epstein-Barr dithering, ...." etc., you are *dithering dithering*.



— Don Myers



Above is a cup Dan Dyke rendered in Light Wave with the bitmap shown below wrapped onto it. The resulting image was superimposed onto a map of the Sinai Peninsula. The bitmap of the Egyptian subject was originally scanned into DCTV.





A still from another Ed Hoffmann, Troy Cooksey animation.

## **Optimizing Your Hard Drive ..or.. How Big is Your Mask??**

**By Ed Hoffmann**

Recently I installed a SyQuest removable hard drive on my A2000. This is an SCSI device, and was easily attached to the A2091 SCSI controller. However, after installing the drive, it seemed a little slow, so I looked into the setup to see what I could do. As it turns out, there was plenty.

When partitioning a new device, you must specify the file system to be used. The Commodore HDToolBox tool, normally installed in the Toolsdrawer on the WorkBench (or boot) partition, is used to set the filesystem and for other hard disk operations.

(The following discussion is based on the AmigaDOS 3.0 version of HDToolBox, although the earlier versions are similar.)

Typically the FastFileSystem (FFS) is used, the default Commodore file system. In addition, there are three cryptic codes that can be specified related to the file system: the Identifier, the Mask, and MaxTransfer. These are set from the File System Characteris-

tics screen, under the Advanced Options screen, which is in turn under the PartitionDrive screen of HDToolBox. Note that HDToolBox file system modification operations might make the data on the drive inaccessible. The modification suggested below should not affect the drive (I have not had a single problem on any drive), but warning is given to those not familiar with these operations: only experiment with what you are familiar with, or you may have to restore the drive from your backup (you do backup your hard drive, right?).

The three codes are hexadecimal (base 16) values, where each value begins with "0x" to indicate hexadecimal.

The Identifier defines the file system being used, and is usually already set by HDToolBox according to the file system chosen. Typically, the FFS is used (coded as 0x444f5301), and this entry is ghosted unless a Custom File System is selected.

The Max Transfer determines the maximum number of bytes to be moved during each Direct Memory Access (DMA) transfer (typically 0xfffff, or 16MB).

The Mask defines the areas of memory that can be used with DMA and is critical to the transfer rate of the device. The value I specified was the highest memory address on my machine, which in my case was 0x17ffffe. Ok, how do you know the highest memory address? I know of two ways: the ShowConfig tool (also located in the Tools drawer) that comes with AmigaDOS 2.1 and 3.0, and the GVPinfo command, which is part of GVPutils included with GVP accelerators. Both will report all memory addresses, broken down by type of memory (chip, fast, and 16 vs. 32 bit). I looked for the highest memory address of all the memory on the machine and used that for my mask value. This resulted in a very dramatic increase in transfer rate (it now rates 660,000 bytes/second according to DiskSpeed4.1).

The mask value is critical for accelerated machines with 32 bit memory on the accelerator (like my A2000). If restricted to the memory addresses of the 16 bit RAM on the motherboard, the data bus would be a major restriction in DMA operations. When the 32 bit memory is used for DMA transfers, the restriction is typically with the device I/O rate, not the bus. This is what occurred with my A2000, and why it was so slow.

So if you have added a hard drive to your accelerated machine with 32bit RAM installed, then it is important to check the Mask value for optimum transfer rates. It wouldn't hurt to check this value anyway to make sure it coincides with your memory configuration, especially if transfer rates seem a little low.

# USING THE REXX ARP LIBRARY REQUESTER

by JEFF JOHNSON

Brick Eksten's REXXQUESTER is much more sophisticated than this, but if you wish to pop up a requester in ARExx under any OS (from 1.2 up), right from a REXX script, here's the ticket.

The rexxarplib.library contains a requester that can be used under any OSversion. It is familiar to ADPro users and works as well as any of them. There is only one requester which can be used for LOADS, SAVES, DELETES, or whatever else. The requester merely finds a filename and path. What is done with the file subsequently is up to the code following the requester call.

The REXX code at the end of the article is merely an example. It doesn't have to be so fancy. Be sure to add the rexxarplib.library to REXX's library list before attempting to use it. (The library itself must be in the LIBS: directory, of course.) Use the ADDLIB comand as seen in the code example or use the program RXLIB from the command line to add the library. Even though a library may be added to the list, it may not actually exist. Good coding practice encourages actually using a function from the library to load it and test it before going on.

Try this from the CLI (run rexxmast first, if necessary):

```
RXLIB rexxarplib.library 0 -30 0
```

The rexxsupport.library is a part of REXX and must be specifically loaded also, but not for these examples.

"rexxarplib.library" is to be found on FredFish 227. Study the documentation file for usage.

Try this from a CLI once the library is added:

```
RX "outfile = getfile(100,10,'ram:',READ FILE);say outfile"
```

The name of the file requested will be printed. The function "getfile" popped up the requester and snared your filename.

Here is a more complete listing to study. Keep in mind that the requester only obtains a filename. You must use the filename according to your wishes with other REXX commands.

```
/* REXXARPLIB.LIBRARY REQUESTER SCRIPT EXAMPLE */  
/* THE FOLLOWING ADDS THE INDICATED LIBRARIES AND ACTUALLY  
   TRIES THEM OUT. */  
/* THE ADDLIB COMMAND ONLY ADDS THE LIBRARIES' NAMES TO A  
   LIST */  
/* IT IS NECESSARY TO TRY A FUNCTION IN THE LIBRARY TO  
   ASCERTAIN ITS PRESENCE */
```

ADDREXXSUPPORT(FAIL)  
ADDREXXARPLIB(FAIL)

/\* THE FOLLOWING CALLS THE REQUESTER AND READS A FILE \*/  
/\* NOTE THAT THE REQUESTER ONLY RETURNS A FILENAME, THE \*/  
/\* READ OR WRITE IS ACCOMPLISHED SUBSEQUENTLY, AND USES THE \*/  
/\* SAME REQUESTER REGARDLESS \*/

outfile = getfile(100,10,'ram:',,READ FILE) /\* "READ FILE" IS JUST TEXT \*/  
success = OPEN('LoadThisFile',outfile,'r')  
/\* PERFORM READ HERE \*/  
line = readln('LoadThisFile')  
say "THE FIRST LINE OF FILE " outfile " IS "  
say line  
CALL CLOSE('LoadThisFile')  
EXIT

ADDREXXSUPPORT: PROCEDURE  
SIGNAL ON SYNTAX

IF SHOW('L','rexxsupport.library') THEN  
CALL ADDLIB('rexxsupport.library',0,-30)  
null = c2b(null())  
SAY "NULL VALUE IS "null  
SAY "REXXSUPPORT LIBRARY EXISTS!"  
RETURN 1

SYNTAX:

IF ARG(1) = 'FAIL' THEN DO  
SAY "LIBRARY REXXSUPPORT.LIBRARY IS UNAVAILABLE."  
EXIT  
END

ELSE

RETURN 0

ADDREXXARPLIB: PROCEDURE  
SIGNAL ON SYNTAX

IF SHOW('L','rexxarplib.library') THEN  
CALL ADDLIB('rexxarplib.library',0,-30)  
result = request(100,10,'HOW ABOUT IT',LETSHAVEIT,YESYES,NOT)  
say result  
SAY "REXXARPLIB.LIBRARY EXISTS!"

RETURN 1

SYNTAX:

IF ARG(1) = 'FAIL' THEN DO  
SAY "LIBRARY REXXARPLIB.LIBRARY IS UNAVAILABLE."  
EXIT  
END

ELSE

RETURN 0

# EDITOR'S END

## ANNOUNCEMENTS:

Bod Leibold wishes to inform OVAUG that he will hold a meeting of the Graphics SIG on Tuesday, August 17th, at 7:00 PM. The location will be the CCV studio at 2114 Reading Road. Call Bob at 651-4171 (work) or 481-3011(home).

Don Myers is adding picture disks of his works to the Club library. There will be 15 or so 24 bit files included. We are all familiar with Don's work, so grab an original!!

## FOR SALE:

AMIGA LOW DENSITY EXTERNAL FLOPPY

>SLIM, SPRING LOADED DOOR, 30" CABLE

>PASS THROUGH PORT, LOW POWER CONSUMPTION

>ON-OFF SWITCH \$50.00 or BEST OFFER.

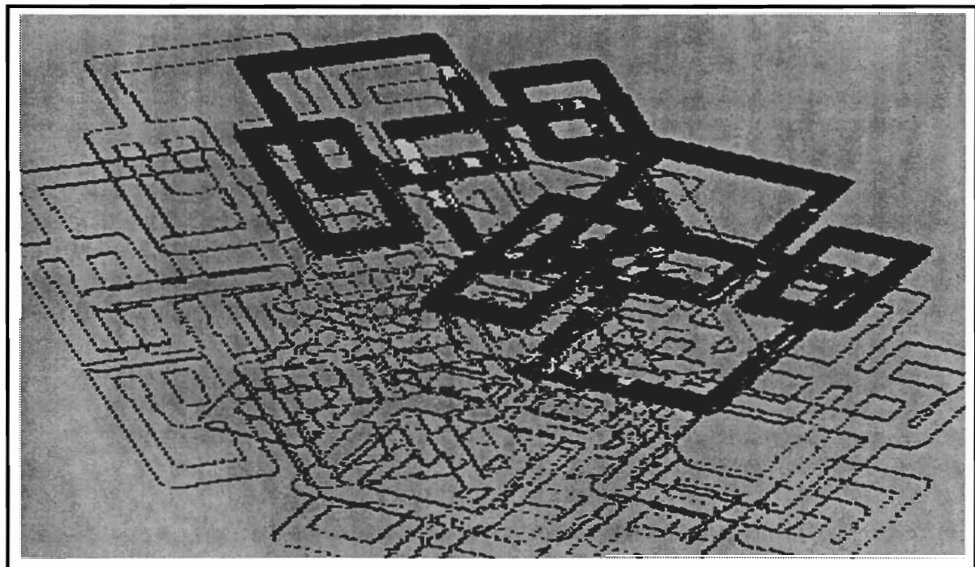
DON MYERS 861-9159

~~~~~

This issue of the newsletter has been printed on the editor's new HewlettPackard LaserJet 4M w. 14megs. It handles PostScript2 and HP PCL5 with 600dpi output. The funds for the printer and the editor's new A4000-030 are a gift from the estate of my late friend Tracy Smith. Tracy died of AIDS on August 23, 1989. He introduced me to the Amiga, in fact his original A1000 is still going strong running the video computer graphics for his saloon, the Pipeline, downtown.

Thanks "TS"!!! Your kindness and your memory outlives you.

~~~~~



The editor is playing with pictures. Here is one of mine. Non-figurative work is out of fashion now-a-days, but then so also is this child of the '60's.



Ohio Valley Amiga Users Group  
P.O. Box 428539  
Cincinnati, Ohio 45242-8539

